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EXAMINER
SHIN, KYUNG H

ART UNIT	PAPER NUMBER
2143	

MAIL DATE	DELIVERY MODE
06/19/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

PTOL-90A (Rev. 04/07)

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *18 December 2003*.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-20* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-20* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *12/18/03* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some *   c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date *12/18/03*.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ ;

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

DETAILED ACTION

1.   This action is responding to application papers filed on **12-18-2003**.

2.   Claims **1 - 20** are pending. Claims **1, 11, 16** are independent.

Claim Rejections - 35 USC § 102

3.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless -
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4.   Claim **1 - 20** are rejected under 35 U.S.C. 102(e) as being anticipated by

Rezvani et al. (US Patent No. **20020103897**).

Regarding Claims 1, 11, Rezvani discloses a method, system of updating event data

on a page of a computing environment, said method comprising:

   a) periodically retrieving event data using a refresh frame of a page; (see Rezvani

       paragraph [0005], lines 2-3; paragraph [0006], lines 1-5: web browser, display

       device; paragraph [0048], lines 4-8: retrieve event data, based on periodic

       communications) and

b) updating a portion of a data frame of the page with the event data using code understood natively by a browser, wherein the browser displays the page. (see Rezvani paragraph [0005], lines 2-3; paragraph [0006], lines 1-5: web browser, display device; paragraph [0015], lines 30-35; paragraph [0022], lines 1-10: software to interpret and update; paragraph [0042], lines 22-27; paragraph [0039], lines 1-5: update virtual representation of event data)

Regarding Claims 2, 12, 17, Rezvani discloses the method, system, program storage device of claims 1, 11, 16, wherein said code understood natively by the browser comprises code supported by an interpreter built into the browser as originally configured. (see Rezvani paragraph [0015], lines 17-21; paragraph [0022], lines 1-10: interpreter (JavaScript))

Regarding Claim 3, Rezvani discloses the method of claim 1, wherein said code understood natively by the browser comprises JavaScript code. (see Rezvani paragraph [0015], lines 17-21; paragraph [0022], lines 1-10: JavaScript utilized)

Regarding Claim 4, Rezvani discloses the method of claim 1, wherein the portion of the data frame to be updated is to be selectively chosen based on the event data. (see Rezvani paragraph [0044], lines 1-5; paragraph [0045], lines 3-7: event data determines information to be updated)

Regarding Claims 5, 13, 18, Rezvani discloses the method, system, program storage device of claims 1, 11, 16, further comprising retrieving, by the browser, at least one of the refresh frame and the data frame from a server coupled to the browser to facilitate the browser in at least one of the periodically retrieving and the updating. (see Rezvani paragraph [0045], lines 3-7; paragraph [0048], lines 4-8: periodic communications to update information)

Regarding Claims 6, 14, 19, Rezvani discloses the method, system, program storage device of claims 5, 13, 18, wherein said periodically retrieving further comprises using the refresh frame retrieved by the browser to retrieve the event data from the server using a same network connection used to retrieve the refresh frame. (see Rezvani paragraph [0018], lines 1-8; paragraph [0018], lines 12-15; paragraph [0025], lines 15-20: network connection between server and client, same communication network for event data and refresh data)

Regarding Claim 7, Rezvani discloses the method of claim 5, wherein said periodically retrieving event data further comprises periodically requesting, by the refresh frame, the server to refresh the refresh frame. (see Rezvani paragraph [0045], lines 3-7; paragraph [0048], lines 4-8: periodic communications to request event data update)

Regarding Claims 8, 15, Rezvani discloses the method, system of claims 5, 13, wherein said periodically retrieving further comprises:

a) detecting the event data; (see Rezvani paragraph [0045], lines 3-7; paragraph [0048], lines 12-17: detect event data)

b) sending, responsive to the detecting, the event data to the browser via the server; (see Rezvani paragraph [0053], lines 1-3; paragraph [0053], lines 9-16: send event data to browser) and

c) wherein the detecting and the sending are performed automatically by an application coupled to the server irrespective of a manual request by a user for at least one of the periodically retrieving and the updating. (see Rezvani paragraph [0045], lines 3-7; paragraph [0048], lines 4-8: heartbeat, automatic communication (automatic), periodic communications to update event data)

Regarding Claim 9, Rezvani discloses the method of claim 1, wherein said periodically retrieving the event data further comprises receiving the event data at the browser within the code understood natively by the browser to be used to update the portion of the data frame, wherein the code is generated by the application. (see Rezvani paragraph [0015], lines 30-35; paragraph [0022], lines 1-10: standard browser interpreter code understood and processed by browser)

Regarding Claim 10, Rezvani discloses the method of claim 1, wherein said updating the portion of said data frame further comprises executing the code by the browser to update the portion of the data frame. (see Rezvani paragraph [0039], lines 1-5;

paragraph [0035], lines 1-4: update device state representation on browser based on event data)

Regarding Claim 16, Rezvani discloses at least one program storage device readable by a machine, tangibly embodying at least one program of instructions executable by the machine to perform a method of updating event data on a page of a computing environment, said method comprising:

  a) periodically retrieving event data using a refresh frame of a page; (see Rezvani paragraph [0005], lines 2-3; paragraph [0006], lines 1-5: web browser, display device; paragraph [0045], lines 3-7; paragraph [0048], lines 4-8: retrieve event data, based on periodic communications) and

  b) updating a portion of a data frame of the page with the event data using code understood natively by a browser, wherein the browser displays the page. (see Rezvani paragraph [0005], lines 2-3; paragraph [0006], lines 1-5: web browser, display device; paragraph [0015], lines 30-35; paragraph [0022], lines 1-10: software to interpret and update; paragraph [0042], lines 22-27; paragraph [0039], lines 1-5: update virtual representation of event data)

Regarding Claim 20, Rezvani discloses the at least one program storage device of claim 18, wherein said periodically retrieving further comprises:

  a) detecting the event data; (see Rezvani paragraph [0045], lines 3-7; paragraph [0048], lines 12-17: detect event data)

b) sending responsive to the detecting, the event data to the browser via the server; (see Rezvani paragraph [0053], lines 1-3; paragraph [0053], lines 9-16: send event data to browser) and

c) wherein the detecting and the sending are performed automatically by an application coupled to the server irrespective of a manual request by a user for at least one of the periodically retrieving and the updating. (see Rezvani paragraph [0045], lines 3-7; paragraph [0048], lines 4-8: heartbeat, automatic communication (automatic), periodic communications to update event data)

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kyung H. Shin whose telephone number is (571) 272-3920. The examiner can normally be reached on 9:30 am - 6 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David A. Wiley can be reached on (571) 272-3923. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Kyung Hye Shin
Patent Examiner
Art Unit 2143

KHS
June 8, 2007